



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/527,398	03/11/2005	Yukitsuka Kudo	740630-94	2825

22204 7590 06/15/2006

NIXON PEABODY, LLP
401 9TH STREET, NW
SUITE 900
WASHINGTON, DC 20004-2128

EXAMINER

CHU, YONG LIANG

ART UNIT PAPER NUMBER

1626

DATE MAILED: 06/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

DETAILED ACTION

Claims 1-35 are currently pending in the instant application and are subject to the following new lack of unity requirement.

Election/Restrictions

Restriction is required under 35 U.S.C. 372.

This application contains the following inventions or groups of inventions, which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

Claims 1-35 are drawn to more than one inventive concept (as defined in PCT Rule 13), and accordingly, a restriction is required according to the provision of PCT Rule 13.2

PCT Rule 13.2 states that the international application shall relate to one invention only or to a group of inventions so linked as to form a general inventive concept (requirement of unity of invention).

PCT Rule 13.2 states that unity of invention referred to in Rule 13.1 shall be fulfilled only when there is a technical relationship among those inventions involving one or more of the same or corresponding special technical features.

Annex B, Part 1 (b), provides that "special technical features" mean those technical features, which, as a whole, define a contribution over the prior art.

Annex B, Part 1 (e), provides combinations of different categories of claims and states:

Art Unit: 1626

"The method for determining unity of invention under Rule 13 shall be construed as permitting, in particular, the inclusion of any one of the following combinations of claims of different categories in the same international application:

(i) in addition to an independent claim for a given product, an independent claims for a process specially adapted for the manufacture of the said product, and an independent claim for use of the said product, or

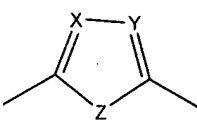
(ii) in addition to an independent claim for a given process, an independent claim for an apparatus or means specially designed for carrying out the said process, or

(iii) in addition to an independent claim for a given product, and independent claim for a process specially adapted for the manufacture of the said product, and an independent claim for an apparatus or means specially designed for carrying out the said process,..."

This application contains the following inventions or groups of inventions, which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

Group I: Claims 1-16, 19-21, and 25-31 drawn to products of formula (I)



wherein **A** is , and **D** is NH, as depicted in Claim 1.

Group II: Claims 1-16, 19-21, and 25-31 drawn to products of formula (I)



wherein **A** is , and **D** is S, or O, as depicted in Claim 1.

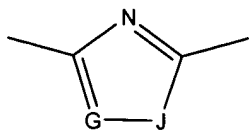
Group III: Claims 1-16, 19-21, and 25-31 drawn to products of formula (I)



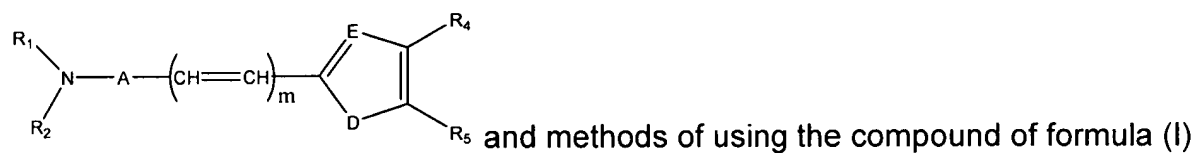
wherein **A** is , and **D** is CH=CH, as depicted in Claim 1.

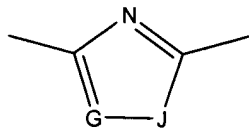
Group IV: Claims 1-16, 19-21, and 25-31 drawn to products of formula (I)



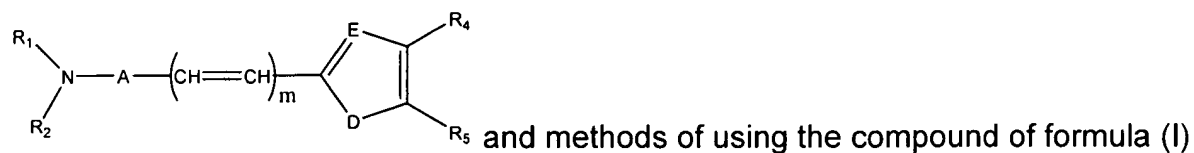
wherein **A** is , and **D** is NH, as depicted in Claim 1.

Group V: Claims 1-16, 19-21, and 25-31 drawn to products of formula (I)

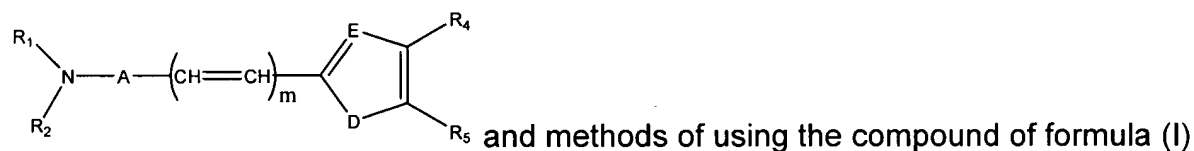


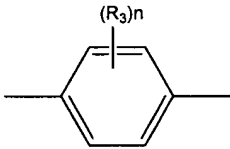
wherein **A** is , and **D** is S, or O, as depicted in Claim 1.

Art Unit: 1626

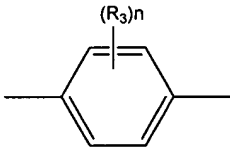
Group VI: Claims 1-16, 19-21, and 25-31 drawn to products of formula (I)

wherein **A** is , and **D** is CH=CH, as depicted in Claim 1.

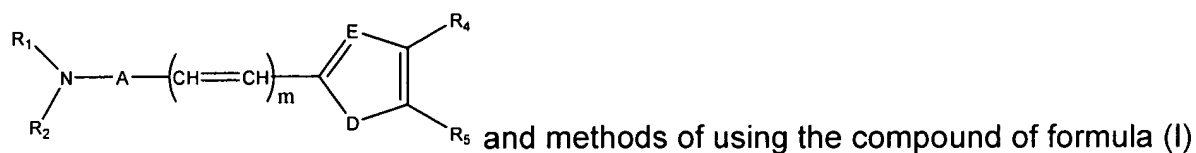
Group VII: Claims 1-16, 19-21, and 25-31 drawn to products of formula (I)

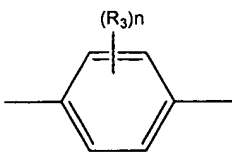
wherein **A** is , and **D** is NH, as depicted in Claim 1.

Group VIII: Claims 1-16, 19-21, and 25-31 drawn to products of formula (I)

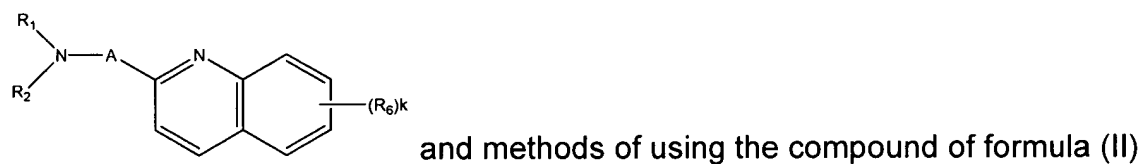
wherein **A** is , and **D** is S, or O, as depicted in Claim 1.

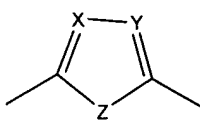
Group IX: Claims 1-16, 19-21, and 25-31 drawn to products of formula (I)



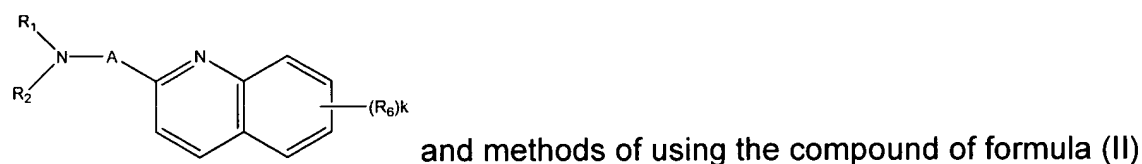
wherein **A** is , and **D** is CH=CH, as depicted in Claim 1.

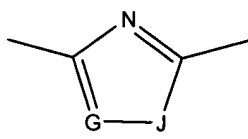
Group X: Claims 17-18, and 22-31 are drawn to products of formula (II)



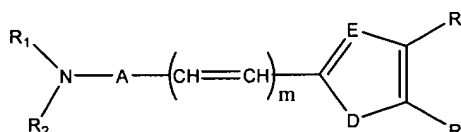
wherein **A** is , as depicted in Claim 1.

Group XI: Claims 17-18, and 22-31 are drawn to products of formula (II)



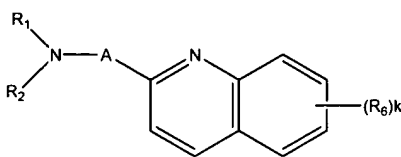
wherein **A** is , as depicted in Claim 1.

Group XII: Claims 32-35 are drawn to a precursor compound for synthesizing a

compound of formula (I)  according to any one of claim 1.

Art Unit: 1626

Group XIII: Claims 32-35 are drawn to a precursor compound for synthesizing a

compound of formula (II)  according to any one of claim 17.

Due to the numerous and widely divergent variables in the compound of formula (I), it would be impossible to list all groups under the time constraints due to the sheer volume of subject matter instantly claimed. Therefore, applicant may choose to elect a single invention (a product or a method of use of said product) by identifying another specific embodiment, i.e. another value for A, E, D, X, Y, Z, R1-R5, not listed in the exemplary groups of the invention and examiner will endeavor to group the same.

The claims herein lack unity of invention under PCT rule 13.1 and 13.2 since, under 37 CFR 1.475(a) the compounds defined in the claims lack a significant structural element qualifying as the special technical feature that defines a contribution over the prior art, as well as lack a core structure which can be seen by two formulas (I) and (II) in the same application.

Accordingly, unity of invention is considered to be lacking and restriction of the invention in accordance with the rules of unity of invention is considered to be proper. Additionally, the vastness of the claimed subject matter, and the complications in understanding the claimed subject matter imposes a serious burden on any examination of the claimed subject matter.

Telephone Inquiry

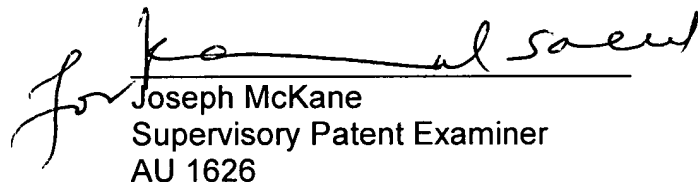
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yong Chu whose telephone number is 571-272-5759. The examiner can normally be reached on 7:00 am - 3:30 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph McKane can be reached on (571) 272-0699. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Yong Chu, Ph.D.
Patent Examiner, AU 1626



Joseph McKane
Supervisory Patent Examiner
AU 1626